

**WHAT IS CLAIMED IS:**

1. A method of locating a reference calibration patch on a photographic element, comprising the steps of:

a) exposing the photographic element to form a latent image of a reference calibration target having a two-dimensional barcode symbol with a finder feature and a known spatial relation between the reference calibration patch and the finder feature of the two-dimensional barcode symbol;

b) processing the photographic element to form a density image from the latent image;

c) scanning the density image to produce a digital image;

d) locating the finder feature of the two-dimensional barcode in the digital image; and

e) locating the reference calibration patch relative to the finder feature in the digital image.

2. The method claimed in claim 1, wherein the known spatial relation is the location of the center of the reference calibration patch.

3. The method claimed in claim 1, wherein the finding feature of the two-dimensional barcode symbol locates the corners of the two-dimensional barcode symbol and further comprising the steps of:

a) calculating a transformation representing the spatial distortion of the calibration target; and

b) using the transformation to locate the calibration patch.

4. The method claimed in claim 3, wherein the transformation is an affine linear transformation.

5. The method claimed in claim 4, wherein the affine linear transformation is a translation and a scaling.

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6. The method claimed in claim 4, wherein the affine linear transformation is a translation.

7. The method claimed in claim 1, wherein the finding feature of the two-dimensional barcode symbol locates the center of the two-dimensional barcode symbol.

8. The method claimed in claim 1, wherein the reference calibration target comprises an array of two-dimensional barcode symbols and further comprising the steps of:

- a) calculating a transformation representing the spatial distortion of the calibration target; and
- b) using the transformation to locate the reference calibration patch.

9. The method claimed in claim 8, wherein the transformation is a translation.

10. The method claimed in claim 8, wherein the transformation is a translation and a scaling and the number of two-dimensional barcode symbols in the array is two or more.

11. The method claimed in claim 8, wherein the transformation is an affine linear transformation and the number of two-dimensional barcode symbols in the array is three or more.

12. The method claimed in claim 1, wherein the photographic element is a film strip.

13. The method claimed in claim 1, wherein the processing step employs a standard photographic process.

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14. The method claimed in claim 1, wherein the processing step employs an alternate photographic process.

15. The method claimed in claim 1, wherein the processing step employs a dry photographic process.

16. The method claimed in claim 15, wherein the dry photographic process includes thermal treatment.

17. The method claimed in claim 15, wherein the dry photographic process includes high-pressure treatment.

18. The method claimed in claim 1, wherein the scanning step employs an area array sensor.

19. The method claimed in claim 1, wherein the scanning step employs a linear array sensor.

20. The method claimed in claim 1, wherein the scanning step employs a point sensor.

21. The method claimed in claim 1, wherein the location of the reference calibration patch relative to the finder feature is stored in the two-dimensional barcode symbol.

22. The method claimed in claim 1, wherein the location of the reference calibration patch relative to the finder feature is stored in a database.

23. A photographic element, comprising:

a) a base;

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b) a photosensitive layer on the base; and  
c) a latent image in the light sensitive layer of a reference calibration target having a reference calibration patch and a two-dimensional barcode symbol with a finder feature having a known spatial relation between the reference calibration patch and the finder feature of the two-dimensional barcode symbol.

24. The photographic element claimed in claim 23, the known spatial relation is the location of the center of the reference calibration patch.

25. The photographic element claimed in claim 23, wherein the finding feature of the two-dimensional barcode symbol locates the corners of the two-dimensional barcode symbol.

26. The photographic element claimed in claim 23, wherein the finding feature of the two-dimensional barcode symbol locates the center of the two-dimensional barcode symbol.

27. The photographic element claimed in claim 23, wherein the reference calibration target comprises an array of two-dimensional barcode symbols.

28. The photographic element claimed in claim 23, wherein the photographic element is a film strip.

29. The photographic element claimed in claim 23, wherein the photosensitive layer contains conventional silver halide chemistry.

30. The photographic element claimed in claim 23, wherein the photosensitive layer contains thermal developable chemistry.

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31. The photographic element claimed in claim 23, wherein the photosensitive layer contains pressure developable chemistry.

32. The photographic element claimed in claim 23, wherein the location of the reference calibration patch relative to the finder feature is stored in the two-dimensional barcode symbol.

33. The photographic element claimed in claim 23, wherein the photographic element is an APS film strip, and the reference calibration target includes 23 reference calibration patches and 6 two-dimensional barcode symbols.

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